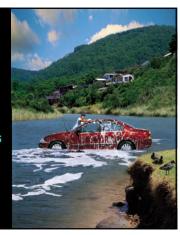
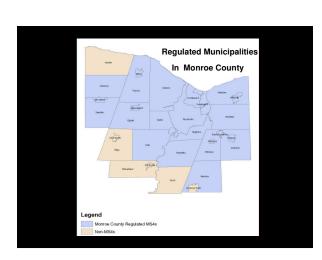
### Stormwater Pollution:

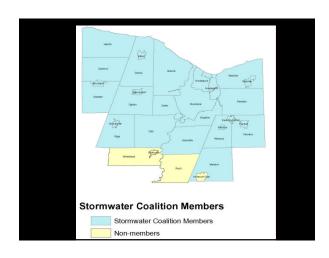
Town, Village and Agency Efforts to Improve Water Quality



### **Meeting Agenda**

- Overview of the Stormwater Coalition
- Overview of the Phase II Regulations
- Annual Report Requirements
- Opportunities for Education/Public Participation Events









### Stormwater Coalition of Monroe County Members

Agencies

City of Rochester Pure Waters District in conjunction with the Monroe County Department of Environmental Services

Monroe County Department of Transportation

### **Partner Agencies**

Monroe County Department of Public Health - Environmental Quality Section

**Monroe County Soil and Water conservation District** 

Water Education Collaborative at the Rochester Museum and Science Center

**Cornell Cooperative Extension of Monroe County** 

### **Partner Agencies**

Monroe County Department of Public Health - Environmental Quality Section

- Staff the Stormwater Coalition
- Oversee the activities involved with all aspects of the coalition activities as well as assist municipalities and agencies to meet the regulations

Todd Stevenson - 274-7638 Karen Paris Tuori - 274-6397

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### **Partner Agencies**

Monroe County Soil and Water Conservation District

- Develop training sessions for municipal staff to conduct construction site inspections
- Respond to complaints from citizens regarding construction violations

### **Partner Agencies**

Monroe County Soil and Water Conservation District

- Conduct plan reviews for compliance to the regulations
- Involved with education events such as Conservation Field Days Envirothon

Caroline Myers - 473-2120 ext. 110

### **Partner Agencies:**

Water Education Collaborative at the Rochester Museum & Science Center

- Watershed Clean-Up Event scheduled for September 17, 2005
- Public education campaign using the mass media in partnership with the Ad Council of Rochester

Contact Noreen Mazurowski - 271-4552 ext. 324# www.thewec.org

### **Partner Agencies**

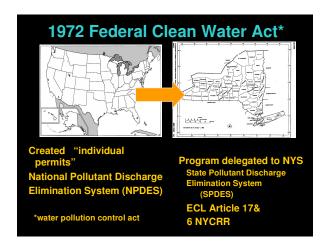
Cornell Cooperative Extension of Monroe County

- Storm drain stenciling
- Volunteer stream & stormwater outfall monitoring
- Environmentally friendly lawn care education
- Stream corridor planting
- Presentations on reducing stormwater pollution at local schools and community events

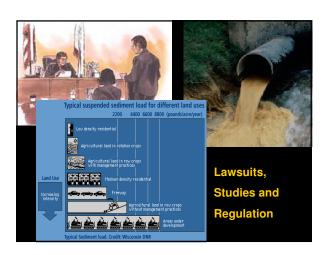
Contact Kimie Romeo at 703-4690









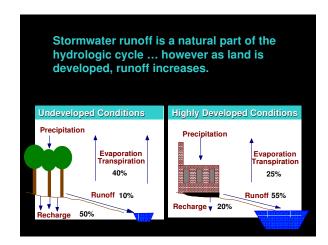


### 1987 CWA Amendment: Stormwater

Revisions added STORMWATER as a pollutant (nonpoint source) that could be covered under a "general" permit (vs. individual permits for point sources)

# Stormwater runoff is the largest source of pollution to NY State's waters. Onsite 11.2% Agriculture 21.3% • Excluding Atmospheric Deposition & Contaminated Sediments

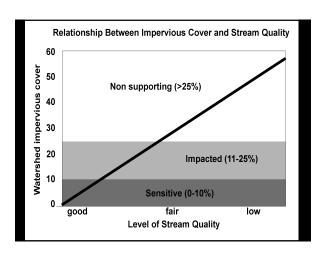
# Stormwater Runoff is: \*\*The stormwater Runoff is: \*\*The stormwater Runoff is: \*\*The stormwater Runoff is: \*\*Stormwater Runoff is: \*\*Snowmelt that flows over land or rooftops, paved areas, bare soil and lawns — picking up pollutants.





### **Effects of Development on Streams- A chain of events...**

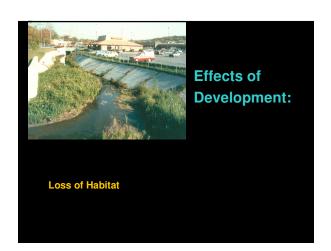
- Increase in frequency & intensity of flooding
- Reduction in groundwater recharge reduced stream flow during dry weather
- Increase in streambank erosion
- Loss of habitat



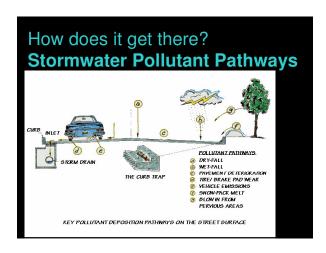






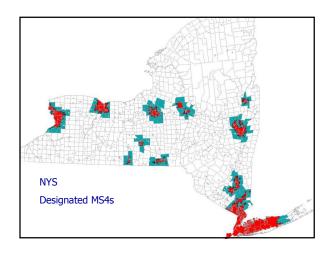






### CWA - Two Phase Stormwater Permitting 1990s 2003 Phase I - Medium and Large Municipalities (>100,000 pop.) "MS4s Permit" - One or more acres of disturbance from construction activities

## What is an MS4? A Municipality that owns or operates a Separate Storm Sewer Systems including: • roads with drainage systems - municipal streets - carbs - curbs - gutters - ditches • man-made channels • storm drains



### **Requirements of MS4 Permits**

**Develop & Implement 6 point program by 2008** 

- Six Minimum Control Measures:

  - Public Education and Outreach
     Public Involvement and Participation
     Illicit Discharge Detection and Elimination
     Construction Site Runoff Control
     Post-Construction Stormwater Management
     Pollution Prevention/Good Housekeeping

### 1. Public Education & **Outreach**

Give residents information about their role in the stormwater program and how they can

support the municipality in achieving the community goals for



protecting and/or improving water resources.

### 2. Public Participation & Involvement



- Action Areas
  - Seek public comment on annual report
  - Citizen volunteer groups

### NYSDEC Permit GP-02-02 Annual Report

- "The MS4 must take all necessary actions to ensure future discharges do not cause or contribute to the violation of a water quality standard, and the MS4 must document these actions in the stormwater management plan."
- "Develop, implement, and enforce a stormwater management program to reduce the discharge of pollutants to the maximum extent practicable."

### **Annual Report Compliance**

 Prior to submitting the annual report, present the draft at a meeting that is open to the public, where the public attendees are able to ask questions about and make comments on the report.

### PUBLIC EDUCATION AND OUTREACH

- Stormwater Coalition's "Make Your Home the Solution to
- ion & Public Participation Task Group's Stormwater

- door hanger.
  Water Education Collaborative (WEC)
  Presentations at local schools.
  Exhibits at community events with water quality component.
  Cornell Cooperative Extension's Great Lawns/Great Lakes
- ogram. De County's Household Hazardous Waste Collection rogram. icide Amnesty collections.

### 2004 – 2005 Report

### PUBLIC INVOLVEMENT/PARTICIPATION

- Public meeting for Annual Report.
   Community Water Watch Program.
   Storm drain stenciling.
   International Coastal Clean Up Day.
   Local Conservation Boards, Environmental Protection Boards, and Watershed Management Committees.

### 2004 - 2005 Report PUBLIC INVOLVEMENT/PARTICIPATION

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### ILLICIT DISCHARGE DETECTION/ **ELIMINATION**

- Illicit Discharge Task Group's Draft Model Ordinance.
   IDDE training session for municipalities.
   Monroe County's Adopt an Outfall Program.
   Mapping and inspection of outfall structures.
   Development of plans to identify illicit connections.

### 2004 – 2005 Report

### **CONSTRUCTION SITE STORMWATER RUNOFF CONTROL**

- Construction Task Group's Draft Model Ordinance.
   Development of inspection check lists for municipalitie
   Education efforts to train municipalities , contractors, developers, and engineers.

### 2004 – 2005 Report **CONSTRUCTION SITE STORMWATER RUNOFF CONTROL**

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### POST CONSTRUCTION SITE STORMWATER **RUNOFF CONTROL**

- Construction Task Group's Draft Model Ordinance.

  Development of best management practices for municipal
- e and train municipal field staff.

### 2004 - 2005 Report

### **POLLUTION PREVENTION & GOOD HOUSEKEEPING** FOR MUNICIPAL OPERATIONS

- Training program for Roadway Stormwater Management BMP's.
  Develop inspection check list for municipal operations.
  Review storm network maintenance measures.

### 2004 - 2005 Report



### **CITIZEN INPUT**

- Review draft Annual Permit (Town, Village, County).
   Submit your comments to your municipality or agency
   Final report due at NYSDEC Albany offices by June 1, 2005.
   GET INVOLVED!!!!

### **Coming Attractions**

- Free Educational Materials
- Construction Site Stormwater Ordinance
- Post Construction Stormwater Ordinance
- Illicit Discharge Ordinance
- Opportunities for public participation

### Thanks to:

- Town of Penfield for hosting this meeting
  • Speakers for presenting the
- information
- Coalition members for cooperating to improve water quality
- Partner agencies for being involved and sharing their expertise

### For additional information

- Contact the Coalition Staff:
- Todd Stevenson 274-7638
- Karen Paris Tuori 274-6397

www.thestormwatercoalition.org